

## CLAIMS

1. A transmission control apparatus for controlling a plurality of torque-transmitting mechanisms in a power transmission comprising:

three linear actuator apparatus each having a linear actuator for supplying fluid pressure, each having a plurality of electronically-controlled valves for operatively connecting an output pressure of each said linear actuator with respective ones of said torque-transmitting mechanisms of said power transmission; and

each said linear actuator apparatus being operated in combinations of two to establish a plurality of drive ratios within said power transmission.

2. A transmission control apparatus for controlling at least five torque-transmitting mechanisms in a power transmission comprising:

three linear actuator apparatus each having a linear actuator for supplying fluid pressure, each having a plurality of electronically-controlled valves for selectively operatively connecting an output pressure of each said linear actuator with respective ones of said torque-transmitting mechanisms of said power transmission, a first of said linear actuator apparatus being selectively connectable with at least three of said torque-transmitting mechanisms, a second of said linear actuator apparatus being selectively connectable with at least three of said torque-transmitting mechanisms at least two of which are not connectable with said first linear actuator apparatus, and a third of said linear actuator apparatus being selectively connectable with at least three of said torque-transmitting mechanisms at least one of which is not connectable with said first linear actuator apparatus and at least another of which is not connectable with said second linear actuator apparatus; and

said linear apparatus being operated in combinations of at least two to enforce engagement of a plurality of combinations of said five torque-transmitting mechanisms to establish at least six drive ratios in said power  
20 transmission.